

Mohammed Yassin

Data Scientist

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Nationality: Colombian | Lebanese

PROFILE

Computer Science graduate applying statistical analysis, forecasting, and machine learning to large real-world datasets. Two years building forecasts, sales targets, data pipelines, and analytical models over high-dimensional transactional data, alongside deep-learning research in PyTorch spanning data pipeline, model training, and deployed inference API.

EXPERIENCE

Sales Analyst

Qnited Trading Company, Doha | Aug 2024 - Present

- Calculate and set annual sales targets across divisions and product lines, modeling historical performance, growth trends, and category dynamics in Excel to produce defensible, data-driven target allocations.
- Built demand forecasts on time-series sales data spanning approximately 1,000 SKUs across 6 divisions, generating forward projections from historical consumption patterns to drive inventory and planning decisions.
- Analyzed large-scale external POS transaction datasets to quantify category-level distribution and surface pricing and demand patterns across roughly 1,000 products.
- Developed a SKU-level comparative pricing analysis across product categories, detecting outliers and systematic pricing patterns in multi-source data.
- Consolidated sales data from 6 divisions into a unified analytical model with automated year-over-year and trend calculations across a 16-sheet structure.
- Designed interactive Power BI dashboards and data visualizations tracking key metrics in real time from continuously refreshed data sources.
- Built automated data pipelines in Power Automate to extract, consolidate, and refresh reporting datasets, removing hours of manual data processing per cycle.

PROJECTS

ASCA v2 - Acoustic Side-Channel Attack System

Python, PyTorch, Hugging Face, FastAPI, React | 2024 - 2025

- Built a CNN and BiLSTM acoustic model (approximately 2.6M parameters) reconstructing typed text from raw keyboard audio, reaching **73.7% test accuracy across 36 keystroke classes**.
- Engineered the full audio pipeline: keystroke segmentation, mel-spectrogram feature extraction, and augmentation across a multi-source keystroke dataset.
- Added a GPT-2 word-level correction layer to recover full words and sentences from noisy per-keystroke predictions.
- Shipped a full-stack demo (FastAPI backend, React frontend) and authored an IEEE-format research paper; full code and documentation published on GitHub.

EDUCATION

B.Sc. Computer Science

American University of Science and Technology | 2020 - 2024

Lebanese General Secondary Certificate

Qaraoun Public High School | 2020

SKILLS

Data Analysis & BI: Excel (advanced), Power BI, Power Automate, Power Query, data visualization, KPI dashboards, statistical analysis, exploratory data analysis (EDA)

Forecasting & Modeling: Sales & demand forecasting, sales target setting, time-series analysis, comparative pricing analysis, data cleaning & consolidation

Programming (working): Python, SQL

Machine Learning (foundational — coursework & project): Supervised learning, regression, classification, deep learning, neural networks (CNN, RNN), NLP, feature engineering, model training & evaluation

Libraries & Tools: Pandas, NumPy, PyTorch, scikit-learn, Matplotlib, FastAPI, Git & GitHub, Jupyter

CERTIFICATIONS

Supervised Machine Learning: Regression & Classification - DeepLearning.AI, 2024 | Advanced Learning Algorithms - DeepLearning.AI, 2024 | Tableau Fundamentals & Intermediate, 2022 | CCNAv7: Introduction to Networks, 2022

Languages: English | Arabic | Spanish